

Product datasheet

Biotin Anti-SIRP alpha antibody [P84] ab95644

★★★★★ [1 Abreviews](#) [2 References](#) [1 Image](#)

Overview

Product name	Biotin Anti-SIRP alpha antibody [P84]
Description	Biotin Rat monoclonal [P84] to SIRP alpha
Host species	Rat
Conjugation	Biotin
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Mouse
Immunogen	Tissue, cells or virus corresponding to Mouse SIRP alpha. Membrane fractions from Mouse brain.
Positive control	Mouse C57BL/6 bone marrow cells
General notes	

ab95644 has been reported to have neutralizing activity.

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.20 Preservative: 0.09% Sodium azide Constituents: 0.1% Gelatin, 2.68% PBS
Purity	Protein G purified
Primary antibody notes	ab95644 has been reported to have neutralizing activity.
Clonality	Monoclonal
Clone number	P84

Isotype	IgG1
Light chain type	kappa

Applications

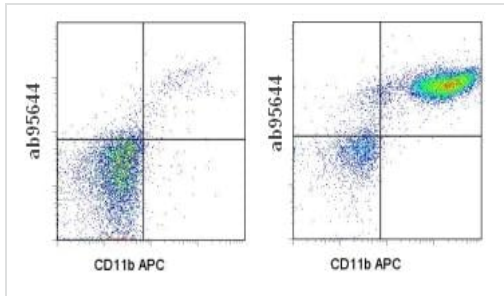
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab95644 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use 0.125-0.25µg for 10 ⁵⁻⁸ cells. A final volume of 100 µl is recommended for staining the cell sample.

Target

Function	Immunoglobulin-like cell surface receptor for CD47. Acts as docking protein and induces translocation of PTPN6, PTPN11 and other binding partners from the cytosol to the plasma membrane. Supports adhesion of cerebellar neurons, neurite outgrowth and glial cell attachment. May play a key role in intracellular signaling during synaptogenesis and in synaptic function (By similarity). Involved in the negative regulation of receptor tyrosine kinase-coupled cellular responses induced by cell adhesion, growth factors or insulin. Mediates negative regulation of phagocytosis, mast cell activation and dendritic cell activation. CD47 binding prevents maturation of immature dendritic cells and inhibits cytokine production by mature dendritic cells.
Tissue specificity	Ubiquitous. Highly expressed in brain. Detected on myeloid cells, but not T-cells. Detected at lower levels in heart, placenta, lung, testis, ovary, colon, liver, small intestine, prostate, spleen, kidney, skeletal muscle and pancreas.
Sequence similarities	Contains 2 Ig-like C1-type (immunoglobulin-like) domains. Contains 1 Ig-like V-type (immunoglobulin-like) domain.
Post-translational modifications	N-glycosylated. Phosphorylated on tyrosine residues in response to stimulation with EGF, growth hormone, insulin and PDGF. Dephosphorylated by PTPN11.
Cellular localization	Membrane.

Images



Flow Cytometry - Biotin Anti-SIRP alpha antibody
[P84] (ab95644)

Staining of C57BL/6 bone marrow cells with with Anti-Mouse CD11b APC and 0.125 μ g of ab95644, followed by Streptavidin PE. Cells in the lymphoid (left) or myeloid (right) gates were used for analysis.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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